



## NATIONAL INTERAGENCY FIRE CENTER

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9216 NFES (LLFA240000)

August 13, 2013

### NATIONAL FIRE EQUIPMENT SYSTEM CACHE MEMORANDUM NO. 13-2

To: NFES: National Interagency Support Caches

From: David Haston, Acting Chair, Equipment Technology Committee – NWCG

Subject: Recall, Hoseline Tee with Valve, NFES #0230

A manufacturing error in certain hoseline tees with valves (NFES #0230) was noted by the field, reviewed by the San Dimas Technology and Development Center, and confirmed by the manufacturer. The error resulted in a percentage of hoseline tees with valves manufactured by S&H Products that do not have the requisite number of threads on the valve stem (Figure 1). For affected tees, rotating the valve handle to a fully closed position causes the threads on the valve stem to run out and disengage with the valve body. This does not allow the valve to be easily reopened and constitutes a performance defect and possible safety hazard.



Figure 1— Comparison of threads on the valve stem; nonworking valve (left) and working valve (right). Note that the working valve stem has one full thread more than the nonworking unit

The following video link describes the problem in detail: <http://youtu.be/NT81zJ2YzUg>.

### **Identification of affected units**

All hoseline tees possibly affected by this manufacturing error will have the following characteristics:

1. Manufacturer – S&H Products (Figure 2)



Figure 2--Hoseline tee from S&H Products

2. Branch Waterway Orifice – large diameter 0.75 inch waterway (Figure 3)



Figure 3--large 0.75 inch diameter on branch waterway for potentially affected tees (right) versus an unaffected tees<sup>a</sup> (left)

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<sup>a</sup> See Cache Memorandum No. 10-01 for direction on removing hoseline tees with waterway orifices of less than 0.5 inches in diameter from the cache inventory.

### 3. Lack of Thread Relief (Figure 4)



Figure 4--comparison between potentially affected tee (without thread relief; left) and unaffected tee (with thread relief; right)

Therefore, if the hoseline tee with valve was manufactured by S&H Products, has an orifice size of 0.75 inches, and does not have a thread relief, then it may have the manufacturing error. In addition, these tees will all have been from the same contract spanning from 2004 to 2008. Any hoseline tees from the PO numbers in Table 1 are potentially affected. The PO numbers should be printed on the master cartons.

Table 1

Date	PO Number
12/3/2008	S-W-D9376-1
11/6/2008	S-W-D9310-1
10/9/2008	S-W-D9112-1
8/6/2008	S-W-D8005-1
7/3/2008	S-W-DU962-1
6/24/2008	S-W-DU790-1
12/6/2007	S-W-DU308-1
11/7/2007	S-W-DU151-1
10/15/2007	S-W-DU105-2
9/19/2007	S-W-DD967-1

7/25/2007	S-W-DD944-1
12/22/2006	S-W-DD388-1
11/15/2006	S-W-DD310-1
10/18/2006	S-W-DD128-1
12/22/2005	S-W-DD388-1F
10/18/2006	S-W-DD128-1F
12/15/2005	S-W-DC313-1F
10/14/2005	S-W-DC025-1F
12/27/2004	S-W-DB294-1F
11/8/2004	S-W-DB080-1F
9/17/2004	S-W-DA857-1F

**Required Action**

NISC: Each cache should identify the potentially affected units in inventory through the above visual cues. You can then test the units to see if they have the manufacturing error.

To determine if a hoseline tee should be replaced, simply rotate the valve handle clockwise to a full stop position. You should feel a hard stop. If the valve handle continues to rotate even after the valve is fully seated in a closed position, it must be replaced. The earlier video describes this procedure in detail: <http://youtu.be/NT81zJ2YzUg>.

S&H Products has agreed to repair or replace any affected hoseline tees. Send defective units directly back to the manufacturer for exchange/repair at the following address:

S&H Products  
5891 Nolan St Unit #1  
Arvada, CO, 80003

All shipping costs will be paid by the manufacturer. Use UPS account # 6182W5.

Please contact Sam Wu, San Dimas Technology and Development Center, at (909) 599-1267, ext.292 if you have any questions or comments regarding this information.

/s/ David Haston  
Acting Chair, Equipment Technology Committee

cc:  
State Fire Management Officers – BLM  
Regional Directors Fire and Aviation Management – USFS  
Technology Development Centers – San Dimas, Missoula  
Agency Directors – NIFC  
Logistics Center – NICC  
Bill Hicks – GSA